

—Standard Valves—

4101-D Valve
-E Valve
-G Valve

4101-D, -E AND -G VALVES

TRIODES.

The 4101-D, -E, -G valves have similar characteristics. The 4101-E valve has the filament designed to reduce sputter noise.

The 4101-G is similar to 4101-E but has the anode lead brought out through the stem to increase the grid-anode insulation.

SPECIFICATION.

Cathode.

Oxide coated filament.
Constant current type.

Base.

Medium 4-pin bayonet thrust.

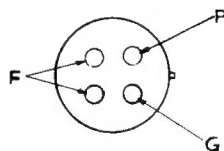
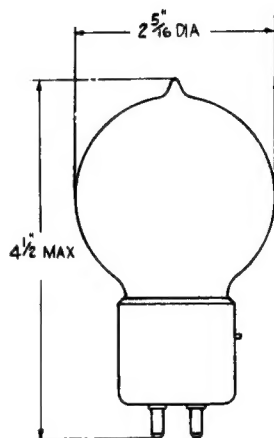
Dimensions.

Max. overall length	4½" (11.2 cms.)
Bulb diameter	2⅝" (5.9 cms.)
Net weight	0.14 lbs. (65 gms.)

Constants.

Filament current	1.0 amps.
Nominal filament voltage	4.5 volts
*Impedance	5,600 ohms
*Amplification factor	6
*Mutual conductance	1.07 mA. per volt
Anode-grid capacity	6.0 μμF.
Anode-filament capacity	4.5 μμF.
Grid-filament capacity	5.5 μμF.

* at $V_p = 130$ volts, $V_{g1} = -9$ volts.



LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum direct anode voltage	190 volts
Maximum direct anode current	12 mA.

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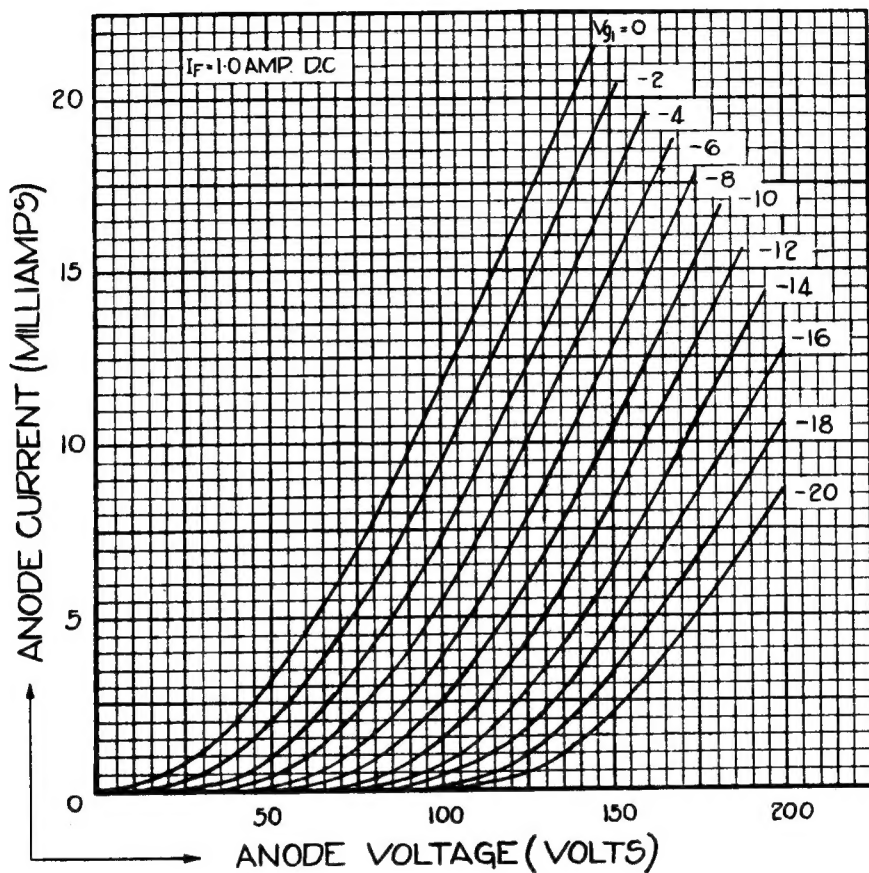
TYPICAL OPERATING CONDITIONS.

Anode voltage	volts	100	100	130	130	130	160	160	160	190	190	*
Grid bias	volts	—4	—6	—9	—12	—10	—12	—16	—16	—18	—20	*
Anode current	mA.	7.3	5.5	11.1	7.8	5.0	10.1	6.3	11	9.0	7.2	*
Amplification factor		6.1	6.0	6.1	6.0	5.9	6.0	5.9	6.0	5.9	5.9	*
Impedance Z_o	ohms	5,500	6,200	4,900	5,700	7,000	5,200	6,600	5,100	5,600	6,300	*
For load impedance $Z = Z_o$.												
Output	mW.	14	26	35	65	90	100	130	175	235	285	*
2nd harmonic	db	33	27	32	26	21	29	25	19	21	19	*
For load impedance $Z = 2Z_o$.												
Output	mW.	12	24	30	60	80	90	115	155	210	250	*
2nd harmonics	db	38	32	38	31	26	34	30	25	29	24	*

* Maximum operating conditions.

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